

1. (Amended) A method of extruding structural members comprising:

B₁ (a) providing an alloy comprising:

about 3.6 to about 4.2 wt.% copper,

about 1.0 to about 1.6 wt.% magnesium,

about 0.3 to about 0.8 wt.% manganese,

about 0.05 to about 0.25% zirconium,

the balance substantially aluminum, incidental elements and

impurities;

(b) homogenizing said alloy at a temperature between to a temperature between about 855° and 880°F prior to extruding said alloy at a temperature within about 500° to about 750°F to form an extrusion;

(c) solution heat treating said extrusion; and

(d) quenching said extrusion before making a structural member therefrom.

B₂ 211 (New). A method of extruding structural members consisting essentially

of:

(a) providing an alloy comprising:

about 3.6 to about 4.2 wt.% copper,

about 1.0 to about 1.6 wt.% magnesium,

about 0.3 to about 0.8 wt.% manganese,

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- about 0.05 to about 0.25% zirconium,
the balance substantially aluminum, incidental elements and
impurities;
- (b) extruding said alloy at a temperature within about 500° to about
750°F to form an extrusion;
- (c) solution heat treating said extrusion;
- (d) quenching said extrusion before making a structural member
therefrom; and
- (e) stretching said extrusion by at least about 1%.

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12. (New) A method of extruding structural members having a combination of
high strength and toughness, said method comprising:

- (a) providing an alloy comprising:
about 3.6 to about 4.2 wt.% copper,
about 1.0 to about 1.6 wt.% magnesium,
about 0.3 to about 0.8 wt.% manganese,
about 0.05 to about 0.25% zirconium,
the balance substantially aluminum, incidental elements and
impurities;

Bz